

536,604

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 June 2004 (10.06.2004)

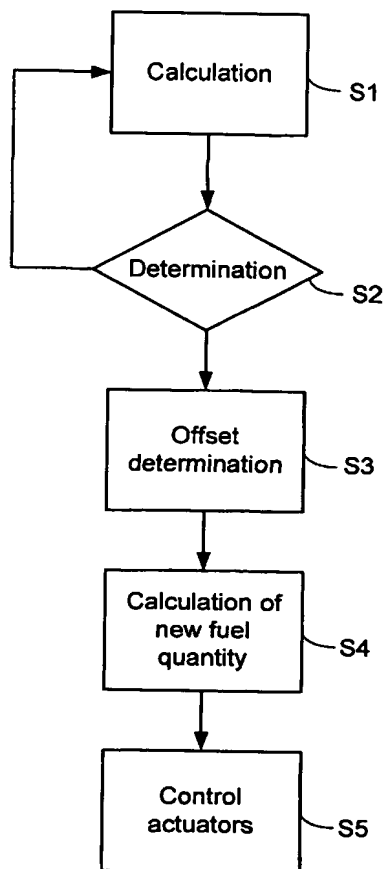
PCT

(10) International Publication Number
WO 2004/048764 A1

- (51) International Patent Classification⁷: **F02D 41/26**
- (21) International Application Number: PCT/SE2003/001810
- (22) International Filing Date: 24 November 2003 (24.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0203476-7 26 November 2002 (26.11.2002) SE
- (71) Applicant (for all designated States except US): **SCANIA CV AB (PUBL)** [SE/SE]; S-151 87 Södertälje (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **PETTERSSON, Magnus** [SE/SE]; Elin Wägners stig 22, S-151 55 Södertälje (SE).
- (74) Agent: **Egrelus, Fredrik**; Scania CV AB (publ), Patents, UTY byggnad 117, S-151 87 Södertälje (SE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD FOR CONTROLLING SUPPLY OF FUEL TO A COMBUSTION ENGINE



(57) Abstract: The invention relates to a method for controlling supply of fuel to a combustion engine (1), e.g. a self-igniting internal combustion engine in a vehicle, having a first group of cylinders (4a) and a second group of cylinders (4b), comprising the steps of: determining if a demanded total fuel quantity to the combustion engine is below a first predetermined total fuel quantity; and, if the demanded total fuel quantity to the combustion engine is below the first predetermined total fuel quantity, increasing the fuel supply to the first group of cylinders with a value determined by the demanded total fuel quantity and decreasing the fuel supply to the second group of cylinders with substantially the same value. The invention also relates to a second method, a computer program (14) and an electronic control unit (3).

WO 2004/048764 A1



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.